

Survey Questions: Situational Awareness Desk

Name (optional):

Date:

- Using the scale 4=Excellent, 3=Good, 2=Fair, and 1=Poor, please rate the overall value of the following experimental products. If you did not evaluate a product, mark n/a

Simulated Satellite Imagery	n/a	4	3	2	1
Nearcasting Model	n/a	4	3	2	1
Cloud Top Cooling	n/a	4	3	2	1
Overshooting Tops	n/a	4	3	2	1
Tropical Overshooting Tops	n/a	4	3	2	1
Convective Initiation	n/a	4	3	2	1
Lightning - PGLM	n/a	4	3	2	1
Lightning - GLD	n/a	4	3	2	1
Lightning - ENI	n/a	4	3	2	1
Cloud Height Algorithms	n/a	4	3	2	1
GOES-14 SRSOR	n/a	4	3	2	1
AutoNowCaster convective likelihood	n/a	4	3	2	1
AutoNowCaster Boundary Tool	n/a	4	3	2	1
Simulated Radar Reflectivity	n/a	4	3	2	1

- If you viewed the simulated satellite imagery, which band or bands did you find most useful? Please rate below using the scale 4=Excellent, 3=Good, 2=Fair, and 1=Poor

WRF band 8: low-level water vapor	4	3	2	1
WRF band 9: mid-level water vapor	4	3	2	1
WRF band 10: upper-level water vapor	4	3	2	1
WRF band 14: traditional IR	4	3	2	1
NAM water vapor	4	3	2	1
NAM IR	4	3	2	1
Other? List:	4	3	2	1

- Do you have any other comments or feedback regarding the simulated satellite imagery?

- If you viewed the Nearcasting Model, which fields did you find the most useful? Please rate below using the scale 4=Excellent, 3=Good, 2=Fair, and 1=Poor

Lower-level theta-E	4	3	2	1
Mid-level theta-E	4	3	2	1
Theta-E difference	4	3	2	1

Lower-level precipitable water	4	3	2	1
Mid-level precipitable water	4	3	2	1
Precipitable water difference	4	3	2	1

5. Do you have any other comments or feedback regarding the Nearcasting Model?

6. Did the CTC provide additional situational awareness in pinpointing areas where convection would develop? If so, how?

7. Was the CTC useful in areas with poor radar coverage (e.g. between existing radars, over large bodies of water, etc.)? If so, how?

8. If you viewed the Overshooting Top products, which did you find most useful? Please rate below using the scale 4=Excellent, 3=Good, 2=Fair, and 1=Poor

Overshooting Top Detection (binary yes/no)	4	3	2	1
Overshooting Top Magnitude (K/15 min)	4	3	2	1
Tropical Overshooting Top (K/15 min) – OCONUS domains	4	3	2	1

9. Were any of the Overshooting Top products useful in areas with poor radar coverage (e.g. between existing radars, over large bodies of water, etc.)? If so, which ones and why?

10. Did the GOES-R Convective Initiation provide situational awareness for areas of developing convection? Why or why not?

11. Do you have any other comments or feedback regarding the GOES-R Convective Initiation?

12. If you viewed any lightning datasets, which did you find the most useful? Please rate below using the scale 4=Excellent, 3=Good, 2=Fair, and 1=Poor

Pseudo Geostationary Lightning Mapper flash density	4	3	2	1
Vaisala GLD360 Total Lightning	4	3	2	1
Vaisala GLD360 CONUS stroke density	4	3	2	1
Earth Networks Total Lightning	4	3	2	1
Earth Networks CONUS stroke density	4	3	2	1
Earth Networks global stroke density	4	3	2	1
NLDN	4	3	2	1

13. Were there any particular features of one or more of these datasets you particularly liked? Disliked? Any other comments?

14. Did you use the GOES-14 SRSOR 1-minute imagery? If so, how? What benefits did use see in using the 1-minute imagery over our current 15-minute scan latency? Any other comments?

15. If you viewed any of the Cloud Height Algorithms, which did you find the most useful? Please rate below using the scale 4=Excellent, 3=Good, 2=Fair, and 1=Poor

Cloud Top Height	4	3	2	1
Cloud Top Temperature	4	3	2	1
Cloud Emissivity	4	3	2	1
Cloud Top Phase	4	3	2	1
Cloud Mask	4	3	2	1

16. Did you use the AutoNowCaster (ANC) convective likelihood and/or simulated reflectivity? Yes/No. If yes, please provide your thoughts on the usefulness of the ANC.

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17. Did you use the ANC Boundary Tool on the AWIPS-2 workstation? Yes/No. If yes, please provide your opinion of the tool and whether or not you think your boundaries positively influenced the subsequent ANC runs.

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